

Amendments to the Claims

Claims 1-18. (Cancelled).

19. (Currently amended) A textured catalyst comprising:

a hydrothermally-stable, porous support comprising a porous interior and an exterior surface, and having a total pore volume, at least 20% of the total pore volume being contributed by pores having diameters of greater than about 20 angstroms;

a metal oxide; and

a catalyst metal component, at least 5% of the catalytic metal being disposed within pores that are at least about 10 μm away from the exterior surface of the support.

~~wherein the porous support has a minimum, smallest dimension of at least about 100 μm ; at least about 70% of the catalyst component is within about 5 μm of the minimum area that encompasses about 80% of the metal oxide; and~~

~~wherein at least about 5% of the catalyst component is at least about 10 μm from the exterior of the support.~~

20. (Original) The catalyst of claim 19 wherein the support comprises carbon, and wherein the metal oxide comprises one or more of Zr, Ti, Hf, Ta, Nb, Mo, and W.

21. (Original) The catalyst of claim 19 wherein the catalyst is made by a process in which the catalyst component and metal oxide are coprecipitated.

22. (Original) The catalyst of claim 19 wherein the catalyst component is fully reduced.

23. (Original) The catalyst of claim 19 wherein the support is hydrothermally-stable such that it loses less than 5% of its surface area after 72 hours in water at 150 °C.

24. (Original) The catalyst of claim 23 comprising carbon particles.

25. (Currently amended) The catalyst of claim 19 wherein the metal oxide ~~comprises~~ is present at 5 to 10 weight percent of the dried catalyst and wherein the metal oxide comprises at least 90%, by mass, of an oxide or oxides of one or more of Zr, Ti, Hf, Ta, Nb, Mo, and W.

26. (Original) The catalyst of claim 25 wherein the catalyst component comprises 0.1 to 10 weight % of an element selected from the group consisting of Pd, Ru, Rh, Pt, Re, Ni, Cu, Au, Ag, Co, Fe, Os, and Ir.

27. (Original) The catalyst of claim 25 wherein the metal oxide comprises zirconia or titania and the catalyst component comprises Pd or Rh.

28. (Currently amended) The catalyst of claim 19 wherein at least about 70% 50% of the catalyst component is disposed within 10 Å of the exterior surface. ~~within about 2 µm of the minimum area that encompasses about 80% of the metal oxide.~~

29. (Currently amended) The catalyst of claim 19 wherein at least 10% of the metal oxide is disposed within pores located at least about 20 μm away from the exterior of the support.

30. (Cancelled)

31. (Original) The catalyst of claim 19 wherein the 80% of metal oxide plus 5 μm margin occupies less than 40% of the total cross-sectional area.

Claims 32-33. (Cancelled).

34. (Original) The catalyst of claim 19 wherein at least 50% of the catalyst component is within about 10 μm of the exterior of the support.

35. (Original) The catalyst of claim 19 wherein the support comprises internal pores and wherein some internal pores have at least 2 times as much of the catalyst component as compared with the metal oxide.

36. (Original) The catalyst of claim 19 the majority of catalyst component that is located at least about 10 μm of the exterior of the support is located in pores having at least one dimension of at least about 5 μm .

37. (Cancelled).